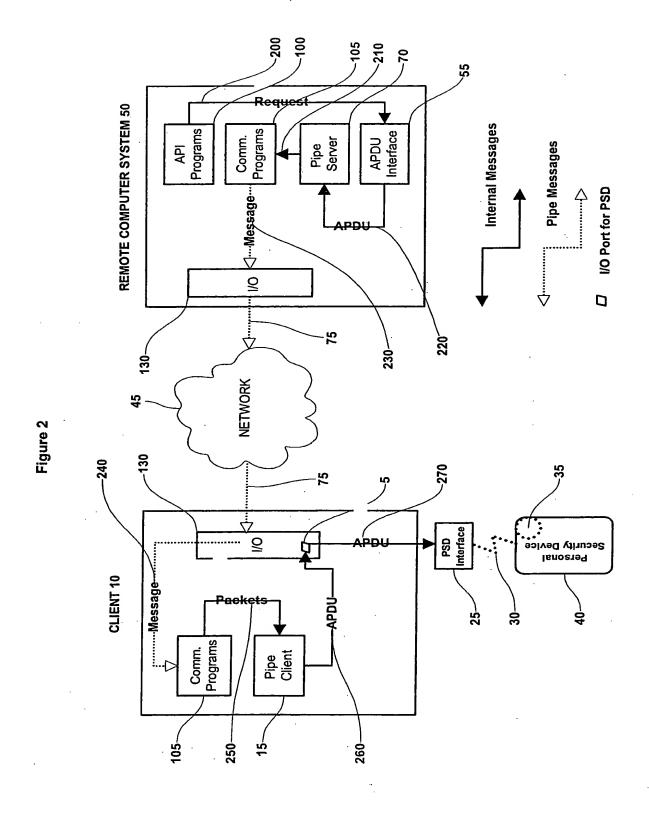


Figure 1



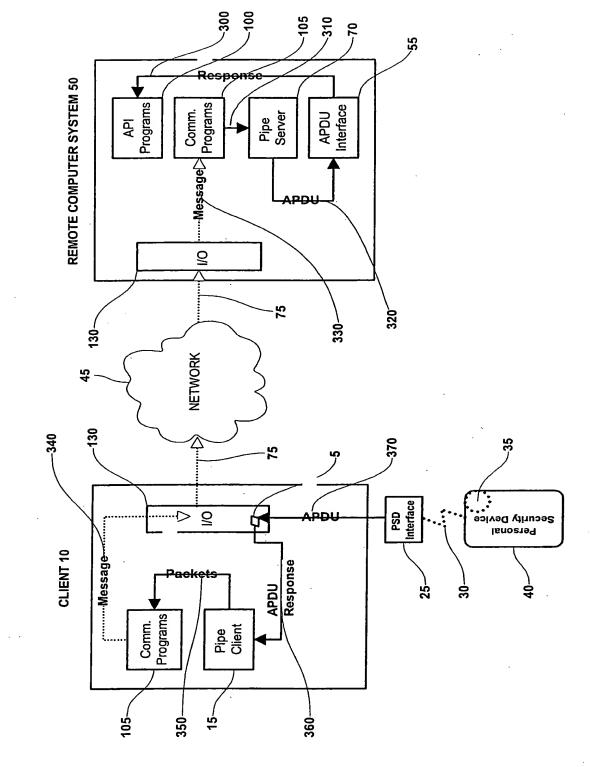


Figure 3

99 - 470 Pipe Server Other Hardware REMOTE COMPUTER SYSTEM 50 APDU Interface Applications Programs Cryptography Operating System Hardware Drivers API Level Programs Communications S 10 NETWORK -149 -120--130--105 140 Communications API Level Programs 일 Applications Programs Operating System Hardware Drivers **CLIENT 10** Pipe Client PSD Software Interface PSD Hardware Interface PSD 25

Figure 4A

